$$\iint_{\mathbb{R}^2} e^{-x^2-y^2} dA = \int_0^{2\pi} \int_0^{\infty} e^{-r^2} r dr d\theta$$

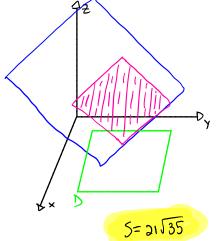
$$\int_{0}^{2\pi} \left(\lim_{t \to \infty} \int_{b}^{t} e^{-r^{2}} \cdot dr \right) d\theta$$

$$\int_{0}^{2\pi} \lim_{t \to \infty} \left(-\frac{1}{2} e^{-r^{2}} \right) \Big|_{0}^{t} d\theta$$

$$\int_{0}^{2\pi} \lim_{t \to \infty} \left(-\frac{1}{2} e^{-t^{2}} + \frac{1}{2} e^{b} \right) d\theta$$

$$\int_{0}^{2\pi} \frac{1}{2} d\theta$$

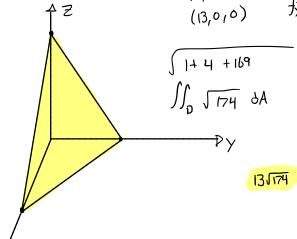
$$\int_{0}^{2\pi} \frac{1}{2} d\theta$$



$$\int_{1}^{8} \int_{0}^{3} \sqrt{35} dx dy$$

$$\int_{1}^{\delta} \int_{\overline{85}} \times \int_{\delta}^{3} d\gamma$$

$$26 = 2 \times +13 \text{y} + 2$$



$$\int_{0}^{13} \left[\sqrt{174} y \right]^{-\frac{2}{13}x+2} dx$$

$$\int_{0}^{13} \sqrt{174} \left(-\frac{2}{13}x+2 \right) dx$$

$$\sqrt{174} \int_{0}^{13} -\frac{2}{13}x+2 dx$$

$$\int_{0}^{1/4} \int_{0}^{1/3} \frac{-2}{13} x + 2 dx$$